

Key-operated actuator, momentary, 3 positions 0, Bezel: black, Suitable for master key systems



Part no. **M22S-WS3-SA(*)-*
216899**

| General specifications | | |
|--|--|---|
| Product name | | Eaton Moeller® series M22 Key-operated actuator |
| Part no. | | M22S-WS3-SA(*)-* |
| Product Length/Depth | | 70 millimetre |
| Product height | | 30 millimetre |
| Product width | | 30 millimetre |
| Product weight | | 0.034 kilogram |
| Certifications | | UL CSA UL Category Control No.: NKCR UL 508 CSA File No.: 012528 CSA-C22.2 No. 94-91 CSA-C22.2 No. 14-05 CE UL File No.: E29184 CSA Class No.: 3211-03 IEC/EN 60947 VDE 0660 IEC/EN 60947-5 |
| Product Tradename | | M22 |
| Product Type | | Key-operated actuator |
| Product Sub Type | | None |
| Features & Functions | | |
| Bezel color | | Black |
| Bezel material | | Plastic |
| Design | | Key operated |
| Fitted with: | | Front ring |
| General information | | |
| Accessories | | 2 keys included with supplied equipment. |
| Degree of protection | | NEMA 4X, 13 |
| Degree of protection (front side) | | IP66 |
| Lifespan, mechanical | | 100,000 Operations |
| Opening diameter | | 22.5 mm |
| Operating frequency | | 100 Operations/h |
| Operating torque | | 0.5 N·m |
| Product category | | RMQ-Titan |
| Size | | Front diameter: 29.7 mm |
| Suitable for | | Master key systems |
| Switching angle | | 40 ° |
| Type | | Key-operated button |
| Ambient conditions, mechanical | | |
| Mounting position | | As required |
| Shock resistance | | Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms |
| Climatic environmental conditions | | |
| Ambient operating temperature - min | | -25 °C |
| Ambient operating temperature - max | | 70 °C |
| Climatic proofing | | Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 |
| Communication | | |
| Connection to SmartWire-DT | | Yes With SWD-RMQ connections |

| Actuator | | | |
|--|--|--|--|
| Actuator color | | | Black |
| Actuator function | | | Spring-return Key withdrawable in position 0 Momentary |
| Actuator type | | | Key |
| Number of switch positions | | | 3 |
| Contacts | | | |
| Force for positive opening - min | | | 0 N |
| Design verification | | | |
| Equipment heat dissipation, current-dependent Pvid | | | 0 W |
| Heat dissipation capacity Pdiss | | | 0 W |
| Heat dissipation per pole, current-dependent Pvid | | | 0 W |
| Rated operational current for specified heat dissipation (In) | | | 0 A |
| Static heat dissipation, non-current-dependent Pvs | | | 0 W |
| 10.2.2 Corrosion resistance | | | Meets the product standard's requirements. |
| 10.2.3.1 Verification of thermal stability of enclosures | | | Meets the product standard's requirements. |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat | | | Meets the product standard's requirements. |
| 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects | | | Meets the product standard's requirements. |
| 10.2.4 Resistance to ultra-violet (UV) radiation | | | Please enquire |
| 10.2.5 Lifting | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 Mechanical impact | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.7 Inscriptions | | | Meets the product standard's requirements. |
| 10.3 Degree of protection of assemblies | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.4 Clearances and creepage distances | | | Meets the product standard's requirements. |
| 10.5 Protection against electric shock | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 Incorporation of switching devices and components | | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 Internal electrical circuits and connections | | | Is the panel builder's responsibility. |
| 10.8 Connections for external conductors | | | Is the panel builder's responsibility. |
| 10.9.2 Power-frequency electric strength | | | Is the panel builder's responsibility. |
| 10.9.3 Impulse withstand voltage | | | Is the panel builder's responsibility. |
| 10.9.4 Testing of enclosures made of insulating material | | | Is the panel builder's responsibility. |
| 10.10 Temperature rise | | | Not applicable. |
| 10.11 Short-circuit rating | | | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.12 Electromagnetic compatibility | | | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| 10.13 Mechanical function | | | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

Technical data ETIM 9.0

| Low-voltage industrial components (EG000017) / Front element for selector switch (EC000222) | | | |
|--|--|----|---------|
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ec@ss13-27-37-12-13 [AKF031019]) | | | |
| Number of switch positions | | | 3 |
| Type of control element | | | Key |
| Suitable for illumination | | | No |
| Colour control element | | | Black |
| Colour indicator light cap | | | Other |
| Construction type lens | | | Round |
| Hole diameter | | mm | 22.5 |
| Width opening | | mm | 0 |
| Height opening | | mm | 0 |
| Switching function latching | | | No |
| Spring-return | | | Yes |
| With front ring | | | Yes |
| Material front ring | | | Plastic |

| | | |
|---------------------------------------|--|--------|
| Colour front ring | | Black |
| Degree of protection (IP), front side | | IP66 |
| Degree of protection (NEMA) | | 4X, 13 |